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|       |    |      |  |

Application/Control No.

Tammara R. Peyton

10/752,395

Examiner

Applicant(s)/Patent under Reexamination

YANG, SUNG-CHUL

Art Unit

2182

| √  | Rejected | - |  |
|----|----------|---|--|
| 11 | Allowed  | ÷ |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim            |  |          |              |              | Date            | е        |          |               |          | Cla       | im       |                 |          |                | D         | ate      |   |                         |          | ]   | CI   | aim        |          |                 |           | [        | Date     | e        |          |          |          |
|----------|----------------|--|----------|--------------|--------------|-----------------|----------|----------|---------------|----------|-----------|----------|-----------------|----------|----------------|-----------|----------|---|-------------------------|----------|-----|--|------------|----------|-----------------|-----------|----------|----------|----------|----------|----------|----------|
| l _      | <del>ज</del> │ | ۰  |          |              |              |                 |          |          |               |          |           | a        |                 |          |                |           |          |   |                         |          |     |  | <u>=</u>   |          |                 |           |          |          |          |          | П        |          |
| Final    | Original       | 9/16/06  |          |              |              |                 |          |          |               |          | Final     | Original |                 |          |                |           |          |   |                         |          |     | Final  | Original   |          |                 |           |          |          |          |          |          |          |
| ፲፫       | ő              | 12   |          |              |              |                 |          |          |               | .        | ᄪ         | Ö        |                 |          |                |           |          |   |                         |          |     | 证  | ٦          |          |                 |           |          |          |          |          |          |          |
|          |                |  | <u> </u> | L            | _            | L               | <u> </u> | _        | -             | 4        |           |          | Ш               |          | 4              | 4         | _        | 4   | 4                       |          | 1   |  | 1          | _        | Ш               |           |          |          |          |          | $\dashv$ | _        |
|          | 1              | √  | _        | <del> </del> | ⊢            | L               | <u> </u> | H        | $\vdash$      | 4        |           | 51       | L               | $\vdash$ | -              | 4         | _        | $\dashv$  |                         |          | 1   |  | 101        |          | Ш               |           |          | Ш        |          |          | $\dashv$ | _        |
|          | 2              | √,   | ⊢        | <b> </b>     | ┞            | H               | _        | _        | $\perp$       | 4        | <u> </u>  | 52       | -               | $\vdash$ | -              | -+        | -        | 4   | 4                       | -        | -   |  | 102        | <u> </u> | Ш               |           |          |          |          | -        | _        | ᆜ        |
|          | 3              | √,   | ⊢        | <del> </del> | ╂—           | -               |          | H        | $\vdash$      | 4        | <b>—</b>  | 53       | Н               | $\vdash$ | +              | +         | -        | +   |                         |          | -   |  | 103        | <u> </u> | Н               |           |          | Н        | -        | _        | 4        | ᅴ        |
| ├        | 5              | <b>√</b>   |          | ┢╌           | ╀            | -               | -        | -        | -             | ┨        | -         | 54<br>55 | Н               | -        | -              | +         | -1       | +   | +                       | +        | 1   |  | 104<br>105 | ┝        | Н               |           |          | $\vdash$ | Н        | $\dashv$ | -        |          |
|          | 6              | <b>√</b>   | ├-       | ⊢            | ╁            | H               | $\vdash$ | ⊢        | $\vdash$      | ┥        | -         | 56       | Н               | $\vdash$ | $\dashv$       | $\dashv$  | $\dashv$ | +   | -                       |          | 1   |  | 105        | <u> </u> | $\vdash$        | -         |          | $\vdash$ |          | -        | +        | $\dashv$ |
|          | 7              | ¥  | -        | ├            | -            | -               | $\vdash$ | ├-       | $\vdash$      | $\dashv$ | -         | 57       | Н               | $\vdash$ | $\dashv$       | $\dashv$  | $\dashv$ | $\dashv$  | +                       | +-       | 1   |  | 107        | -        | Н               |           |          | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 8              | V  | -        | ╁─           | ╁            | $\vdash$        | $\vdash$ | ⊢        | 1             | ┥        |           | 58       | H               | $\dashv$ | +              | $\dashv$  | $\dashv$ | +   | $\dashv$                | +-       | 1   |  | 108        | $\vdash$ | Н               |           |          |          | Н        | $\dashv$ | +        | ᅱ        |
|          | 9              | Ĭ  | ╁        | $\vdash$     |              |                 |          | $\vdash$ |               | $\dashv$ | -         | 59       |                 | $\vdash$ | $\dashv$       | $\dashv$  | +        | $\dashv$  | +                       | +        | 1   |  | 109        | -        | $\vdash$        | _         |          | -        |          |          | +        | ㅓ        |
|          | 10             | Ť  | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$        | $\vdash$ | $\vdash$ | -             | ┥        |           | 60       | Н               |          | $\dashv$       | $\dashv$  | +        | $\dashv$  | +                       | +        | 1.  |  | 110        | $\vdash$ | Н               |           | _        | $\vdash$ | $\vdash$ | -        | +        | ㅓ        |
|          | 11             | V  | ┪        | T            | $\vdash$     |                 | _        | $\vdash$ | $\Box$        | 7        |           | 61       | Н               |          | $\dashv$       | 十         | $\dashv$ | $\top$  | $\top$                  | +        | 1   |  | 111        | $\vdash$ | Н               |           | $\neg$   | $\neg$   |          | +        | 十        | ᅥ        |
|          | 12             | Ť  | <u> </u> | Г            | 1            |                 |          | T-       |               | 7        |           | 62       | П               | $\Box$   | $\dashv$       | $\dashv$  | -        | $\dashv$  | 十                       |          | 1   |  | 112        |          | Н               | $\neg$    | Н        | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | ㅓ        |
|          | 13             | V  | Г        | 1            |              |                 |          | $\vdash$ |               | $\neg$   |           | 63       | П               | $\vdash$ | 7              | $\neg$    | $\neg$   | $\dashv$  | 十                       |          | 1   | <u> </u>   | 113        | $\vdash$ | Н               |           |          | $\neg$   | Н        | $\neg$   | $\dashv$ | ᅥ        |
|          | 14             | V  |          |              |              |                 |          |          |               |          |           | 64       | П               |          | ┪              | _         | $\neg$   | $\dashv$  | $\top$                  |          | 1   |  | 114        |          | П               |           |          |          |          |          | $\dashv$ | ┪        |
|          | 15             | ✓  |          |              |              |                 |          | L        |               |          |           | 65       |                 |          |                |           |          |   |                         |          | ]   |  | 115        |          |                 |           |          |          | П        |          | 丁        | ┪        |
|          | 16             | ✓  |          |              |              |                 |          |          |               |          |           | 66       |                 |          |                |           |          |   |                         |          | ]   |  | 116        |          |                 |           |          |          |          |          | 丁        | ヿ        |
|          | 17             | L  |          |              | $\Box$       |                 |          |          |               |          |           | 67       |                 |          | $\Box$         |           | ]        | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{\mathbb{T}}$ |          | ]   |  | 117        |          |                 |           |          |          |          |          |          |          |
|          | 18             |  |          |              | 匚            |                 |          |          |               |          |           | 68       |                 |          | $\Box$         | $\prod$   | $\Box$   | $\perp$   | $\perp$                 |          | ]   |  | 118        |          |                 |           |          |          |          |          | $\Box$   |          |
|          | 19             |  |          | L            |              |                 |          |          |               |          |           | 69       |                 |          | $\perp$        |           |          |   |                         |          |     |  | 119        |          |                 |           |          |          |          |          | $\Box$   |          |
|          | 20             |  |          | _            |              |                 |          |          |               | _        | $\perp$   | 70       | Ш               |          | $\perp$        |           | $\perp$  | $\perp$   | $\perp$                 |          |     |  | 120        | L        | Ш               |           |          |          |          |          |          |          |
|          | 21             | <u> </u>   | L        | _            | <u> </u>     | Щ               | Ш        |          |               | _        | L         | 71       | Ш               | $\Box$   | $\dashv$       | _         | _        | 4   | 4                       |          | ļ   | <u> </u>   | 121        |          | Ш               |           |          |          |          |          | $\perp$  |          |
|          | 22             |  |          | <u> </u>     | ļ            | Щ               | Щ        | Щ        | $\perp$       | 4        |           | 72       |                 | $\Box$   | 4              | 4         | 4        | 4   | _                       |          | 1   |  | 122        |          | Ш               |           |          |          |          | $\perp$  | $\dashv$ | _        |
|          | 23             | <u> </u>   | <u> </u> | ╙            | <u> </u>     | Ш               |          | <u> </u> |               | 4        |           | 73       | Ш               | _        | 4              | _         | 4        | 4   | 4                       |          | -   | L  | 123        |          |                 | _         |          |          |          | _        | _        | _        |
|          | 24             |  | <u> </u> | ┡            | ⊢            | Н               | Ш        | Ш        | $\rightarrow$ |          |           | 74       | $\vdash$        | _        | 4              | -         | -        | 4   | +                       | - -      | -   |  | 124        |          | $\sqcup$        | _         |          |          | Н        | $\dashv$ | _        | 4        |
|          | 25<br>26       |  | _        | -            | ├            | Н               |          |          | +             | -        |           | 75       | $\vdash$        | _        | -              | +         |          | +   | +                       | _        | -   | Ь—   | 125        |          | Н               | 4         |          |          |          | -        | $\dashv$ | 4        |
|          | 27             | _  | -        | ┝            | ⊢            | Н               | Н        | Н        |               | -        | -         | 76<br>77 | Н               | +        | -              | -         | $\dashv$ | +   | +                       | +        | -   | <u> </u>   | 126        |          | $\square$       | $\dashv$  |          | -1       | -        | -        | $\dashv$ | 긕        |
|          | 28             | _  | -        | ⊢            | ⊢            | Н               | Н        | Н        | -+            | ┨        | -         | 78       | Н               | -+       | +              |           | +        | +   | +                       | +        | ┨   |  | 127<br>128 |          | $\vdash \vdash$ |           |          |          | -        | $\dashv$ | -        | 긕        |
|          | 29             |  | -        | ┢            | ├            | H               |          | H        | -+            | $\dashv$ | $\vdash$  | 79       | $\vdash$        | -        | +              | +         | $\dashv$ | -   | ╅                       |          | -   | ├─   | 129        | _        | $\vdash$        | -         |          | $\dashv$ | $\vdash$ | $\dashv$ | +        | $\dashv$ |
|          | 30             | _  | $\vdash$ | $\vdash$     | <del> </del> | $\vdash$        | Н        | Н        | +             | $\dashv$ |           | 80       | H               | $\dashv$ | $\dashv$       | 十         | $\dashv$ | +   | +                       | $\dashv$ | 1   | <del> </del>                                     | 130        | $\vdash$ | $\vdash$        | $\dashv$  |          |          | Н        | $\dashv$ | +        | $\dashv$ |
| _        | 31             | $\vdash$   | -        | ┢            | $\vdash$     | H               | H        | $\vdash$ | +             | $\dashv$ | $\vdash$  | 81       | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$  | $\dashv$ | +   | +                       | +        | 1   | <del>                                     </del> | 131        | $\vdash$ | $\vdash$        | $\dashv$  |          | $\dashv$ | $\vdash$ | -        | +        | $\dashv$ |
|          | 32             | _  |          | H            | Т            | H               | Н        | Н        | $\dashv$      | $\dashv$ |           | 82       | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$  | $\dashv$ | $\dashv$  | +                       | $\top$   | 1   | $\vdash$   | 132        | $\vdash$ | H               | $\exists$ |          | $\vdash$ | $\vdash$ | $\dashv$ | +        | $\dashv$ |
|          | 33             |  |          | Г            | Г            | П               | Н        | $\vdash$ | $\dashv$      | 7        |           | 83       | П               | $\dashv$ | 十              | 十         | $\dashv$ | 十   | +                       | $\top$   | 1   |  | 133        | _        | $\vdash$        | $\dashv$  | $\vdash$ | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 34             |  |          | Γ            | Т            | $\Box$          | $\vdash$ |          | $\dashv$      | 7        |           | 84       | П               | $\dashv$ | $\dashv$       | 寸         | ┪        | _   | +                       | $\neg$   | 1   | <u> </u>   | 134        | Т        | $\vdash$        | $\dashv$  |          | $\vdash$ | $\vdash$ | $\dashv$ | +        | $\dashv$ |
|          | 35             |  |          |              |              | П               |          |          | $\dashv$      | 7        |           | 85       | П               | $\Box$   | 寸              | T         | T        | $\dashv$  | $\top$                  | $\top$   | 1   |  | 135        | П        | П               |           |          |          | $\vdash$ | 7        | $\top$   | $\dashv$ |
|          | 36             |  |          |              |              |                 |          |          |               |          |           | 86       |                 | $\Box$ † | $\dashv$       |           | _        | $\top$  | 1                       | ┪        | 1   |  | 136        |          | П               |           |          |          | $\vdash$ | 7        | 十        | $\dashv$ |
|          | 37             |  |          |              |              |                 |          |          |               |          |           | 87       |                 |          |                |           | $\Box$   | $\Box$  |                         |          | ]   |  | 137        |          | П               |           |          |          | $\Box$   |          | $\top$   | ٦        |
|          | 38             |  |          |              |              |                 |          |          |               |          |           | 88       |                 |          |                |           | $\Box$   |   | $\Box$                  |          | ]   |  | 138        |          |                 |           |          |          |          | ヿ        | 寸        | ٦        |
|          | 39             |  |          |              |              |                 |          |          |               |          |           | 89       |                 |          |                |           |          |   | T                       |          | ]   |  | 139        |          |                 |           |          |          |          | $\Box$   | 一        |          |
|          | 40             |  | $\Box$   | 匚            |              |                 |          | $\Box$   |               | 1        |           | 90       |                 |          |                |           | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |                         |          | ]   |  | 140        |          |                 |           |          |          |          | J        | I        |          |
|          | 41             | $ldsymbol{ld}}}}}}} \lgotion eta \end{time}}$ | L        | _            |              | Ш               |          | Ц        | $\Box$        | ╝        |           | 91       | $\square$       |          | $\perp$        | $\Box$    | $\bot$   | $\perp$   |                         |          | ]   |  | 141        |          |                 |           |          |          |          |          |          |          |
|          | 42             | L  | L        | L            | L            | Ш               | Ш        | Ш        |               | 4        |           | 92       | Ш               |          | $\perp \Gamma$ | $\perp I$ |          | _[  | $\perp$                 |          | ]   |  | 142        |          |                 |           |          |          |          |          | $\Box$   |          |
|          | 43             |  | <u> </u> | _            | $\perp$      | Щ               | Ш        | Ш        | $\perp$       | 4        | $\perp$   | 93       | Ш               | Ц        | _              | $\bot$    | 4        | 4   | $\perp$                 |          |     |  | 143        |          | Ш               |           |          |          |          |          |          |          |
|          | 44             |  | $\sqcup$ | $\vdash$     | _            | Щ               | Ш        | Ш        | _             | 4        | $\square$ | 94       | $\sqcup$        | $\perp$  | _              | _         | _        | 4   | $\perp$                 | $\perp$  |     |  | 144        | Ш        | Ш               |           |          |          |          | $\Box$   | _        | ╝        |
|          | 45             |  | ļ        | L.           | L.           | Щ               | L.,      | Ш        | _             | 4        |           | 95       | Įļ              | $\dashv$ | 4              | 4         | 4        | 4   | $\bot$                  | $\bot$   |     | <u> </u>   | 145        |          | Щ               | _         |          | _        |          |          | $\perp$  | $\Box$   |
|          | 46             | _  |          | _            | <u> </u>     | $\vdash \vdash$ |          | Ш        | +             | 4        |           | 96       | $\vdash \vdash$ | $\dashv$ | $\perp$        | $\dashv$  | _        | $\perp$   | 4                       |          |     | <u> </u>   | 146        | Щ        | $\sqcup$        |           | $\Box$   | _        | Щ        |          | $\dashv$ | _        |
| <u> </u> | 47             |  | Н        | -            | $\vdash$     | $\vdash \vdash$ |          | Н        | $\dashv$      | 4        |           | 97       | $\vdash \vdash$ | $\dashv$ | $\dashv$       | 4         | $\dashv$ | $\dashv$  | +                       |          | {   | <u> </u>   | 147        | Щ        | Щ               | 4         | $\Box$   | _        | $\sqcup$ | _        | 4        | _        |
|          | 48             | _  | Н        | _            |              |                 |          | $\vdash$ | +             | -        |           | 98       | $\vdash \dashv$ | $\dashv$ | +              | $\dashv$  | +        | $\perp$   | +                       |          |     | <u> </u>   | 148        | Щ        | Щ               | _         | $\Box$   | _        | _        | 4        | $\dashv$ | _        |
|          | 49<br>50       | _  | $\vdash$ |              | Н            | $\vdash\vdash$  | $\vdash$ | $\dashv$ | -             | 4        | $\vdash$  | 99       | $\vdash \vdash$ | $\dashv$ | +              | $\dashv$  | 4        | +   | +                       | +        |     | <u> </u>   | 149        | Ь        |                 |           | -        | _        | -        | _        | $\dashv$ | 4        |
|          | υŪ             |  |          |              |              |                 |          |          | L             |          |           | 100      | L_I             | J        | ı              | - 1       | -        | - 1   |                         | - 1      | l i | i  | 150        |          |                 |           |          |          |          | - 1      |          | - 1      |